

SOUTHEASTERN CONSULTING ENGINEERS, INC.
600 MINUET LANE
CHARLOTTE, NORTH CAROLINA 28217
N.C. LICENSE NO. F-0181

CONTRACT DOCUMENTS
FOR
SUBSTATION CIRCUIT BREAKERS

TOWN OF LANDIS
LANDIS, NORTH CAROLINA



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NOTICE AND INSTRUCTIONS TO BIDDERS

1. Sealed proposals for furnishing Substation Circuit Breakers to the Town of Landis, North Carolina (hereinafter called the "Owner") will be received on or before 2:00 PM, Friday, June 30, 2023, at the Office of the Engineer, at which time and place the proposals will be publicly opened and read.

2. Proposals and all supporting documents required to be attached thereto must be submitted in a sealed envelope addressed to Southeastern Consulting Engineers, Inc., 600 Minuet Lane, Charlotte, North Carolina 28217, Attention: Mr. A.J. Molnar. The name and address of the bidder, and the date and hour of the opening of bids must appear on the envelope in which the proposal is submitted. Bidders will be required to comply with all applicable statutes, regulations, etc. and those attached to and made a part of the bid. Mark all envelopes "Sealed Proposal - Breakers for Town of Landis".

3. The successful Bidder will be required to enter into a contract with the Owner on the forms attached hereto. The successful Bidder will also be required to complete the enclosed E-Verify Affidavit and Iran Divestment Act Certification.

4. The Bidder's proposal shall specify price, any applicable price terms and delivery time, with price to include transportation charges F.O.B. to the Electric Operations Center located in Landis, North Carolina. Delivery of all breakers shall be on open trailer. Any of this material delivered in a covered trailer will not be accepted.

5. The Bidder's proposal shall specify the manufacturer, rating, and catalog number of each item of manufactured equipment which is to be furnished. Names of certain brands, makes or definite specifications are to denote quality standards of the articles desired, but do not restrict bidders to the specific brand, make or manufactured name; it is only to set forth and convey to the prospective bidders to general style, type, character and quality of the article desired.

6. The Owner reserves the right to waive minor irregularities or minor errors in the proposal, if it appears to the Owner that such irregularities or errors were made through inadvertence. Any such irregularities or errors so waived must be corrected on the proposal prior to its acceptance by the Owner.

7. The Owner reserves the right to reject any and all proposals.

8. Specifications may be obtained at the office of the Owner's Engineer, Southeastern Consulting Engineers, Inc., 600 Minuet Lane, Charlotte, North Carolina 28217, 704-523-6045.

TOWN OF LANDIS
LANDIS, NORTH CAROLINA
(Owner)

SOUTHEASTERN CONSULTING
ENGINEERS, INC.
(Engineer)

Date: June 5, 2023

PROPOSAL SUMMARY

TO: THE TOWN OF LANDIS
LANDIS, NORTH CAROLINA

GENTLEMEN:

The undersigned has carefully examined the Specifications and hereby declares that he will furnish the following items in the Specifications for the following prices:

	<u>Total Price</u>	<u>Applicable N. C. Sales Tax</u>
Three 15.5 KV Circuit Breakers	\$ _____	\$ _____

Additional Comments, Explanations, or Exceptions

PROPOSAL (Continued)

Applicable Price Terms

Title

Date

Bidder

By _____

Address

STATE OF NORTH CAROLINA
TOWN OF LANDIS
COUNTY OF ROWAN

AFFIDAVIT of COMPLIANCE
with N.C. E-Verify Statutes

I, _____ (hereinafter the "Affiant"), duly authorized by and on
behalf of _____ (hereinafter the "Employer") after being first duly
sworn deposes and says as follows:

1. I am the _____ (President, Manager, CEO, etc.) of the
Employer and possess the full authority to speak for and on behalf of the Employer
identified above.
2. Employer understands that "E-Verify" means the federal E-Verify program operated by the United
States Dept. of Homeland Security and other federal agencies, or any successor or equivalent
program used to verify the work authorization of newly hired employees pursuant to federal law.
3. Employer employs 25 or more employees in the State of North Carolina, and is in compliance with
the provisions of N.C. Gen. Stat. §64-26. Employer has verified the work authorization of
its employees through E-Verify and shall retain the records of verification for a period of
at least one year.

Employer employs fewer than 25 Employees and is therefore not subject to the provisions of
N.C. Gen. Stat. §64-26.
4. All subcontractors engaged by or to be engaged by Employer have or will have likewise complied
with the provisions of N.C. Gen. Stat. §64-26.
5. Employer shall keep the Town of Landis informed of any change in its status pursuant to Article 2 of
Chapter 64 of the North Carolina General Statutes.

Further this affiant sayeth not.

This the _____ day of _____, 20____

Affiant

STATE OF NORTH CAROLINA
COUNTY OF ROWAN

Sworn to and subscribed before me, this the _____ day of _____, 20____

[SEAL]

Notary Public: _____

My commission expires: _____

Name of Counterparty: _____

IRAN DIVESTMENT ACT AND COMPANIES THAT BOYCOTT ISRAEL CERTIFICATION

As of the date listed below, the entity listed above is not on list of list of restricted companies created by the State Treasurer pursuant to N.C.G.S. 147-86.58 or 147-86.81(a)(1).

The undersigned hereby certifies that he or she is authorized by the entity listed above to make the foregoing statement.

Signature _____ Date _____

Printed Name _____ Title _____

CONTRACT

THIS AGREEMENT, made and contracted this _____ day of _____
20_____, between the _____

hereinafter called the Purchaser, party of the first part, and _____
_____,
hereinafter called the Materialman, party of the second part.

ITEM 1. WITNESSETH: That for and in consideration of the payments and agreements to be made and performed by the Purchaser, and under the penalty expressed in the bond bearing even date with these presents, and hereunto annexed, the Materialman at its own proper cost and expense, and with skill and diligence, will furnish _____

for the total sum of _____
_____ Dollars (\$ _____)

and furnish same in accordance with the Notice and Instructions to Bidders, Proposal and Specifications attached in full compliance with the agreement.

ITEM 2. And the said Materialman agrees to accept the price stated under Item 1 above in full compensation for the performance of this contract.

ITEM 3. This contract together with the Notice and Instructions to Bidders, Proposal and Specifications constitutes the entire agreement between the Purchaser and the Materialman.

ITEM 4. On completion of this contract by the Materialman and acceptance by the Purchaser as being in accordance with this contract of the work, works, job, material, equipment articles and things done, supplied, contracted and furnished hereunder, the Purchaser shall pay the above named contract price as follows:

ITEM 5. The Materialman shall be responsible for all fees or claims for any patented invention used by him, and shall defend any suit or proceeding for infringement of any patent or patents covering materials purchased hereunder which may be brought against the Purchaser and shall hold said Purchaser harmless for use or infringement of any patented thing or method used in connection with any article, equipment, device or thing furnished or constructed hereunder.

IN WITNESS WHEREOF, the parties hereto have caused the Agreement to be executed by their duly authorized representatives all as of the day and year first above written.

ATTEST:

Materialman

By _____
Title _____

ATTEST:

Party of the First Part

By _____
Title _____

Financial Officer’s Certificate
I certify that this instrument (the attached Contract Documents) has been pre-audited in the manner required by the Local government Budget and Fiscal Control Act.

This the _____ day of _____, 2023.

SPECIFICATIONS
FOR
15.5 KV CIRCUIT BREAKERS

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SPECIFICATIONS
FOR
15.5 KV CIRCUIT BREAKERS

A. General

These specifications cover three vacuum circuit breakers, outdoor, frame mounted, distribution type, three pole, single throw, for 60 cycle, 12,470 volts grounded wye operation. The breakers shall be rated as follows:

<u>QTY</u>	<u>Rating/Description</u>
3	15.5 KV, 1200 ampere continuous, 20,000 symmetrical ampere interrupting capacity, 110 KV BIL.

Each breaker shall be mechanically and electrically trip free, and shall be designed for 240 volt AC closing, and 48 volt DC tripping. Spring and magnetically actuated operators are acceptable.

B. Connections

Each breaker shall have six cover-mounted bushings equipped with clamp type terminals suitable for 4/0 to 800 MCM copper, and two clamp type grounding terminals suitable for No. 1/0 to 4/0 copper ground connection.

C. Metering and Relaying

Each breaker shall be furnished with six multi-ratio bushing type current transformers. Both sets (6) of current transformers shall be of relaying accuracy class C400. Transformers shall be rated 1200:5 for the 1200 ampere breakers. Each breaker shall be provided with one Schweitzer Type SEL-351 microprocessor overcurrent and reclosing relay, Cat. No. 0351S6X3E3E52X1. One set (3) of bushing type relaying current transformers shall be connected to the SEL 351 relay for overcurrent protection. One set (3) of relaying current transformers shall be connected through a six pole current test switch to a customer terminal block. The test switches shall have three pairs of single-blade switches, each with short-circuiting provision and receptacles for current test probes. The switches shall be ABB FT-1, SEL TS, or equal, and the shorting bars shall not be connected between phases.

D. Detailed Features

Each breaker shall be equipped with a manual tripping device, manual closing device, control power circuit breakers, space heaters and heater control breaker, necessary terminal boards, mechanical position indicator and operation counter. Each breaker shall be complete and shall be wired and tested for proper operation. Each breaker shall also be equipped with one, single-phase convenience outlet, LED lamp, switch, and control circuit breaker. Minimum height of the exposed bushing terminals shall be 108 inches above ground line. Frame extensions shall be provided if required. Maximum height to the exposed bushing terminals shall not exceed 126 inches.

Each breaker shall be equipped with a weatherproof housing for the relay and control equipment. The housing shall enclose a hinged steel instrument panel on which shall be mounted:

1. One Schweitzer SEL-351S microprocessor relay Cat. No. 0351S6X3E3E52X1.
2. Red and Green LED position indicator lights.
3. Test Switch.

E. Accessories (Per Breaker)

1. One Manual Closing Device.
2. One set of any special tools required for maintenance.

F. Drawings

Upon notification of award of contract, the Supplier shall, within four weeks, furnish for approval two (2) sets of Drawings and Instructions covering the physical size, weight, arrangement, dimensions, electrical characteristics, wiring diagrams and other pertinent data for each breaker type. The Supplier shall also supply two (2) prints of the finally approved issue of each drawing for use in the field and an AutoCAD drawing file for each drawing for the Purchaser's records. Record copies shall include operating instructions and renewal parts lists for all equipment supplied with breakers. The Supplier shall also furnish two (2) sets of written instructions and renewal parts lists, suitably illustrated, covering the operation and maintenance of the equipment applying specifically to this installation.

G. Shipment

The successful Bidder shall furnish the breakers F.O.B. to the Town's warehouse located at 701 W. Blume Street, Landis, North Carolina 28088. The successful Bidder shall notify the purchaser a minimum of 72 hours prior to delivery.

H. Labeling

All devices, relays, terminal boards and wiring in the breakers shall be labeled in accordance with the ANSI Standard Device Code Numbers and Industries Standards. These same designations shall be used on the drawings to identify the items.

I. Warranty

The manufacturer shall provide standard warranty from the date of shipment that the equipment provided will be of the kind and quality specified herein and will be free of defects of workmanship and material.